SMART TACK

Colour	Product Code	Pack Size	Box Qty
Blue	SMARTHANDY	500ML	12
Blue	SMARTPORT	750ML	12
-	SMARTPORTGUN	-	1
Clear	SMARTBULKCL	17KG	1
Blue	SMARTBULKGN	17KG	1
-	SMARTBULKGUN	-	1
-	SMARTBULKHOSE	-	1

Product Description

SMART TACK is an advanced spray bonding system that outperforms and outdates conventional contact adhesives providing significant performance and time saving application benefits.
Based on new technology resins, SMART TACK is applied by spray providing very fine strands of “high solids” adhesive that forms a web type pattern on application. SMART TACK finds a multitude of uses in the Shopfitting, furniture manufacture, laminating, joinery and exhibition industries.

The SMART TACK range is available in three formats:

SMART TACK PORTABLE

The most adaptable and versatile of the smart tack range. PORTABLE is equally at home in the workshop or out on site. With PORTABLE, the unique applicator gun is left attached to the canister and is always ready to use at the pull of the trigger. PORTABLE offers a unique flexibility unrivalled by other systems with an applicator gun at a cost low enough to have multiple users throughout the organization.

SMART TACK BULK TANK

Designed for large scale use primarily in a production line environment, BULK TANK delivers the adhesive via a flexible industrial grade hose and high volume applicator gun. With excellent rapid covering ability, the BULK TANK GUN is left attached to the hose and canister and simply locked off after use with the system ready to go for instant re-use.
The BULK TANK GUN and BULK TANK HOSE are sold as separate stock items. Both items, when used together, are fully interchangeable with most leading suppliers of similar systems. However, BULK TANK HOSE is compatible with BULK TANK GUN only.

SMART TACK HANDY

HANDY is smart tack in a standard aerosol for smaller jobs and tricky areas such as edging, mitred joints etc. Offers the benefits of the smart tack system with lower pressure application.

Benefits

- Fast Tacking: - Surfaces can normally be “closed” after only 3-5 minutes
- Long Open Time: - Surfaces can also be left open for up to 2 hours.
- Immediate Handling: - High early bond strength allows item to be handled, cut drilled and planed within 5 minutes of closing.
- High temperature: - Unaffected by temperatures up to 90°C (194`F).
- Fast Application; - 15 times quicker than applying conventional contact adhesive by spreader.
- Cost effective: - Goes approximately three times further than applying conventional contact adhesive by spreader.
- Convenient; - No airline, electric or press. Easy to maintain, no mess.
- Safer: - Low odour, no CFC`s, self contained systems.
- Blue Colour: - Unique to SMART TACK range.

Areas For Use

The adhesive gives a permanent bond on laminates, veneers, edge banding, vinyl's, uPVC sheet and fabrics and may also be used for temporary/light duty bonding on carpets, fabrics, polystyrene/PU sheeting, posters etc.

Limitations

Do not use in areas subject to continuous water immersion.
Do not use on colour core laminates or on any translucent/opaque sheeting.
Do not use on bitumen, asphalt, or cellulose painted surfaces.
Do not spray directly onto polystyrene. Spray onto other surface.
Do not use as a mirror adhesive as the product may attack the mirror backing. Use MIRROR MATE adhesive.
Do not use in areas subject to intense lighting or sunlight where the surface temperature could exceed 90`C.
At low temperatures, care must be taken to ensure that the temperature of the adhesive and of both surfaces to be bonded is higher than the ambient temperature. Cold materials have a strong tendency to attract moisture present in surrounding air, which can have disastrous effects on the bond strength.
Always allow adhesive to become touch dry on both surfaces. Premature bonding may cause solvent entrapment and blistering of laminates.
As the manufacturer cannot know all the uses its products may be put to, it is the users responsibility to determine suitability of use. If in doubt, contact Technical Services Department for advice.

Surface Preparation

Surfaces to be bonded must be clean, dry and dust/grease free. When bonding plastic laminates/sheeting, it is recommended that substrates are conditioned for 48hrs before assembly at 20^{o}C with a relative humidity of 45-55%. Air should be able to circulate freely around these components.
ALLWAYS READ SAFETY SECTION AND WEAR PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION BEFORE USE.

Application

SMART TACK PORTABLE
Carefully screw canister clockwise into gun until fully engaged, taking care not to cross thread. Lock canister into position by tightening black locking collar anticlockwise until tight. Remove can by reversing these instructions.
Permanent bonding (laminates etc) - Apply to both surfaces**.** Always apply to laminate first and spray one surface horizontally and one surface vertically. Before applying, ensure the gun is correctly adjusted and test spray on a practice piece.
Adjust knob at rear of gun until an even fan of 5-9" of fine strands of adhesive is produced. If the adhesive is "wet" tighten knob until only fine strands appear. Hold the spray gun at 90` to, and at a distance of 12-14 inches from the substrate. Do not hold closer than 12 inches to avoid "wetting" the surface. Squeeze trigger and move gun parallel to the surface in a smooth motion paying particular attention to the edges. Apply an even coat ensuring 80-100% coverage. Avoid localized spraying as this will allow the adhesive to puddle which in turn can cause unevenness and can "show" through the laminate or cause blistering. One coat is normally sufficient per side for non porous substrates. A second coat is recommended on porous substrates. Allow the adhesive to tack up and protect from contamination (dust etc) whilst this happens. The adhesive is ready for bonding when the whole area is touch dry, i.e. does not transfer to the finger when touched.
SMART TACK PORTABLE is normally ready for bonding within 3-5 minutes at 20`C/50% relative humidity and may be left open for up to 2 hours before bonding. Ensure there are no wet patches of adhesive before bonding. At low temperatures, care must be taken to ensure that the temperature

of the adhesive and of both surfaces to be bonded is higher than the ambient temperature. Cold materials have a strong tendency to attract moisture present in surrounding air, which can have disastrous effects on the bond strength.
Temporary or light duty bonding (carpets, fabrics, polystyrene sheet etc)- Apply as above but to the substrate surface only. Never apply direct to polystyrene. Always apply to the "other" surface.
COVERAGE: 12-15m^2 per 750ml can.

SMART TACK BULK TANK
Ensure hose is screwed into position on both gun and canister, taking care not to cross thread or damage the thread. Ensure lock on spray gun is engaged. Fully open the valve on the canister and direct the gun at the surface to be bonded.
Before applying, ensure the gun is correctly adjusted and test spray on a practice piece.
Adjust knob at rear of gun until an even fan of 5-9" of fine strands of adhesive is produced. If the adhesive is "wet" tighten knob until only fine strands appear.
Fitting hose and gun to new canister: Close valve on canister completely. Hold gun trigger open, pointing away from person, until all pressure is released. Disconnect the hose at the valve and re-connect to a new canister. Open valve and check fittings for leaks.
Permanent bonding (laminates etc) - Apply to both surfaces**.** Always apply to laminate first and spray one surface horizontally and one surface vertically. Hold the spray gun at 90` to, and at a distance of 12-14 inches from the substrate. Do not hold closer than 12 inches to avoid "wetting" the surface. Squeeze trigger and move gun parallel to the surface in a smooth motion paying particular attention to the edges. Apply an even coat ensuring 80-100% coverage. Avoid localized spraying as this will allow the adhesive to puddle which in turn can cause unevenness and can "show" through the laminate or cause blistering. One coat is normally sufficient per side for non porous substrates. A second coat is recommended on porous substrates. Allow the adhesive to tack up and protect from contamination (dust etc) whilst this happens. The adhesive is ready for bonding when the whole area is touch dry, i.e. does not transfer to the finger when touched.
SMART TACK BULK TANK is normally ready for bonding within 3-5 minutes at 20`C/50% relative humidity and may be left open for up to 2 hours before bonding. Ensure there are no wet patches of adhesive before bonding. At low temperatures, care must be taken to ensure that the temperature of the adhesive and of both surfaces to be bonded is higher than the ambient temperature. Cold materials have a strong tendency to attract moisture present in surrounding air, which can have disastrous effects on the bond strength.
Temporary or light duty bonding (carpets, fabrics, polystyrene sheet etc) - Apply as above but to the substrate surface only. Never apply direct to polystyrene. Always apply to the "other" surface.
COVERAGE: 255-340m^2 per 17kg can.

SMART TACK HANDY
Permanent bonding (laminate trim etc) - Apply to both surfaces**.** Always apply to laminate first and spray one surface horizontally and one surface vertically. Set spray band width by turning nozzle to H (high) M(medium) or L(low) positions depending on width of glue band required. Spray at a distance of approx. 6 inches from the substrate. Apply an even coat ensuring 80-100% coverage. Avoid localized spraying as this will allow the adhesive to puddle which in turn can cause unevenness and can "show" through the laminate trim or cause blistering or peel. One coat is normally sufficient per side for non porous substrates. A second coat is recommended on porous substrates. Allow the adhesive to tack up and protect from contamination (dust etc) whilst this happens.
SMART TACK HANDY is normally ready for bonding within 3-5 minutes at 20`C/50% relative humidity and may be left open for up to 2 hours before bonding. Ensure there are no wet patches of adhesive remaining before bonding. At low temperatures, care must be taken to ensure that the temperature of the adhesive and of both surfaces to be bonded is higher than the ambient temperature. Cold materials have a strong tendency to attract moisture present in surrounding air, which can have disastrous effects on the bond strength.
Temporary or light duty bonding (carpets, fabrics, polystyrene sheet etc)- Apply as above but to the substrate surface only. Never apply direct to polystyrene. Always apply to the "other" surface.
COVERAGE: 8-10m^2 per 500ml can.

Specific Data

Base	Synthetic rubber/resin
Solids	28-32%
Viscosity	Low.
Coverage	15-20m^2 /kg
Tack Life	3mins to 2 hours
Specific Gravity	0.90-0.99

Health & Safety

Consult MSDS for full list of hazards.

Storage

Store in original unopened containers between 5 and 25°C. Store as flammable liquid.

Shelf Life

Twelve months from date of manufacture in original unopened containers.

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